

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-21-03

DAY: Tuesday

WEATHER: Overcast

TEMPERATURE: 60 am 70 noon 75 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Norm, Rick, Kim, Jack and Bill)

DESCRIPTION OF WORK:

Trinity starts binding course installation at the CT area under Maxymillian supervision. Binding course is installed around the buildings and on the western edge of the CT area, except between the fire line and the fence (including north of the foam tank), and the area to the east: from the metal steps on the gravel mound to the dispenser.

Kim, Jack and Bill with Exelon are on the Site around mid-morning.

Rick with PECO is at the substation late afternoon to supervise Trinity. Trinity installs binding course on the southern edge of the substation area.

Maxymillian and Trinity leave the Site around 6.15 pm.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-21-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-21-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	1 - Chet
Trinity (Maxymillian subcontractor)	8 - crew workers

Equipment	No.	Operating Hours	Downtime
Paving machine	1	Approx. 8 hrs	
Tamper	1	Approx. 2 hrs	
Roller	2	Approx. 6 hrs	

J. How
Signature of Preparer

10-21-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment**Location:** Chester, PA**Observers:** Jimmy How**DATE:** 10-22-03**DAY:** Wednesday**WEATHER:** Overcast and scattered rain**TEMPERATURE:** 60 am 65 noon 55 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO (Rick)

DESCRIPTION OF WORK:

Trinity resumes binding course installation at the substation.

Bottom flange of the fire hydrant at the CT area on the southwest corner within the limits of paving was observed to be damaged. Chet indicated that one of the asphalt truck hit the fire hydrant with its fuel tank during paving activities the day before. The flange would be reportedly repaired by Trinity.

Binding course installation at the substation is completed at the end of the day, except inside the south section of the substation, and along a strip on the western sloping edge of the substation which is approx. 12 ft x 100 ft.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☒ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Signature of Preparer

J. How

10-22-03

Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-22-03

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10-22-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-23-03

DAY: Thursday

WEATHER: Partly cloudy and windy

TEMPERATURE: 40 am 40 noon 45 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Rick, Donald)

DESCRIPTION OF WORK:

Trinity starts wearing course installation at the CT area.

Donald Furbert with Exelon replaces Norm Forrest to supervise Trinity at the CT area.

Chet indicates that he is waiting for Joe Senior to shut down the water main before he can finish repairing the damaged flange on the fire hydrant at the CT area.

Trinity completes wearing course installation at the CT area around mid-afternoon, except between the fire line and the fence, the foam tank and the fence, and the area between the dispenser and the metal stairs to the east. Trinity subsequently installs a few layers of wearing course on the southwest and southern end of the substation prior to leaving the Site at 5.30 pm.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How
Signature of Preparer

10-23-03

Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-23-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	1 - Chet
Trinity (Maxymillian subcontractor)	9 - crew workers

Equipment	No.	Operating Hours	Downtime
Paving machine	1	Approx. 9 hrs	
Tamper	1	Approx. 2 hrs	
Roller	2	Approx. 8 hrs	
Wheel Loader	1	Approx. 1 hr	

J. How
Signature of Preparer

10-23-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment**Location:** Chester, PA**Observers:** Jimmy How**DATE:** 10-27-03**DAY:** Monday**WEATHER:** Heavy rain**TEMPERATURE:** 60 am 60 noon 60 pm**ITEMS WORKED ON:**

- ☐ Geoprobe Sampling
- ☐ Well/Monitoring Probe Installation
- ☐ Piping Installation
- ☐ Overhead Door Installation
- ☐ Chain Link Fence Installation

- ☐ Equipment Installation
- ☐ Trenching/Concrete Work
- ☐ Electrical / Controls
- ☐ Surveying
- ☒ Other: Paving

VISITORS:PECO/Exelon (Donald)

_____**DESCRIPTION OF WORK:**

Trinity and Maxymillian at the Site. Maxymillian indicates that paving will not occur today due to the rain.

The fire hydrant on the southwest corner (within the limits of paving) of the CT area was repaired by Maxymillian.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☒ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

J. How 10-27-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-27-03

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10-27-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment**Location:** Chester, PA**Observers:** Jimmy How**DATE:** 10-28-03**DAY:** Tuesday**WEATHER:** Partly Cloudy, Overcast (pm)**TEMPERATURE:** 60 am 65 noon 60 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Donald, Joe, Norm)

DESCRIPTION OF WORK:

Trinity completes wearing course installation at the substation, except the energized south section.

The 12 ft x 100 ft strip with base course on the western sloping edge of the substation was covered with wearing course to final grade.

The portion with base course between the metal steps and the dispenser at the CT area was also covered with wearing course to final grade.

The portion with base course between the foam tank and the fence at the CT area was partly covered with wearing course.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☒ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Signature of Preparer

10-28-03

Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-28-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	1 - Chet
Trinity (Maxymillian subcontractor)	9 - Crew workers

Equipment	No.	Operating Hours	Downtime
Paving Machine	1	8 hrs	
Rollers	2	8 hrs.	
Tamper	1	2 hrs	
Wheel Loader	1	1 hr	

J. How
Signature of Preparer

10-28-03
Date

Form: CF 22684c.xls

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-29-03

DAY: Wednesday

WEATHER: Heavy rain (am), overcast (pm)

TEMPERATURE: 55 am 55 noon 55 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:**DESCRIPTION OF WORK:**

No work was conducted due to heavy rain.

One truck load of base course was delivered to the substation. Chet said that some of the base course would be used for the south section of the substation. Any remaining base course would be graded to the north outside the limits of paving.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-29-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-29-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	1 - Chet
Trinity (Maxymillian subcontractor)	1 - Joe

Equipment	No.	Operating Hours	Downtime

J. How
Signature of Preparer

10-29-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment**Location:** Chester, PA**Observers:** Jimmy How**DATE:** 10-30-03**DAY:** Thursday**WEATHER:** Clear sky**TEMPERATURE:** 40 am 55 noon 70 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

DESCRIPTION OF WORK:

Trinity completes wearing course installation at the CT area. Those areas include portions along the western fence, between the fire line and the fence, and the foam tank and the fence. Wearing course was installed manually. Miscellaneous asphalt debris were scraped from the existing road.

Excess wearing course was installed in the south section of the substation. Base course material that was delivered the day before was backfilled and compacted along the northern edge of the substation.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☒ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

J. How 10-30-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-30-03

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10-30-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How, Dale Showers

DATE: 11-5-03

DAY: Wednesday

WEATHER: Foggy and light rain

TEMPERATURE: 60 am 60 noon 60 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior and Kim Scarborough)

DESCRIPTION OF WORK:

The South section of the substation was de-energized in the morning. Trinity resumed wearing course installation in the south section.

The land surveyor is on the Site around mid-morning to take elevation shots at the CT area. Some elevation shots were also taken at the substation in mid-afternoon. The surveyor indicated that they will return to the substation tomorrow morning after Trinity completes asphalt paving in the south section of the substation.

Paving around the south section of the substation including the edges of the fenced resistor was completed mid-afternoon.

Kim with Exelon was on site around mid-afternoon for the final inspection.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How
Signature of Preparer

11-05-03

Date

Page 1

Form: CF 22684a.xls

DAILY FIELD REPORT - EQUIPMENT AND PERSONNEL CHECKLIST
Page 2 of 2

DATE: 11-05-03

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11-05-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment**Location:** Chester, PA**Observers:** Jimmy How, Dale Showers**DATE:** 11-6-03**DAY:** Thursday**WEATHER:** Overcast, light rain**TEMPERATURE:** 55 am 55 noon pm**ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | Other: |

VISITORS:

PECO - Joe Senior

DESCRIPTION OF WORK:

The surveyor was back at the substation to complete taking elevation shots prior to leaving the Site around late morning.

Maxymillian demob from the Site around late morning. The trailer and the restroom would be reportedly removed from the Site some time this week or next week.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☒ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Signature of Preparer

J. How

11-06-03

Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 11-06-03

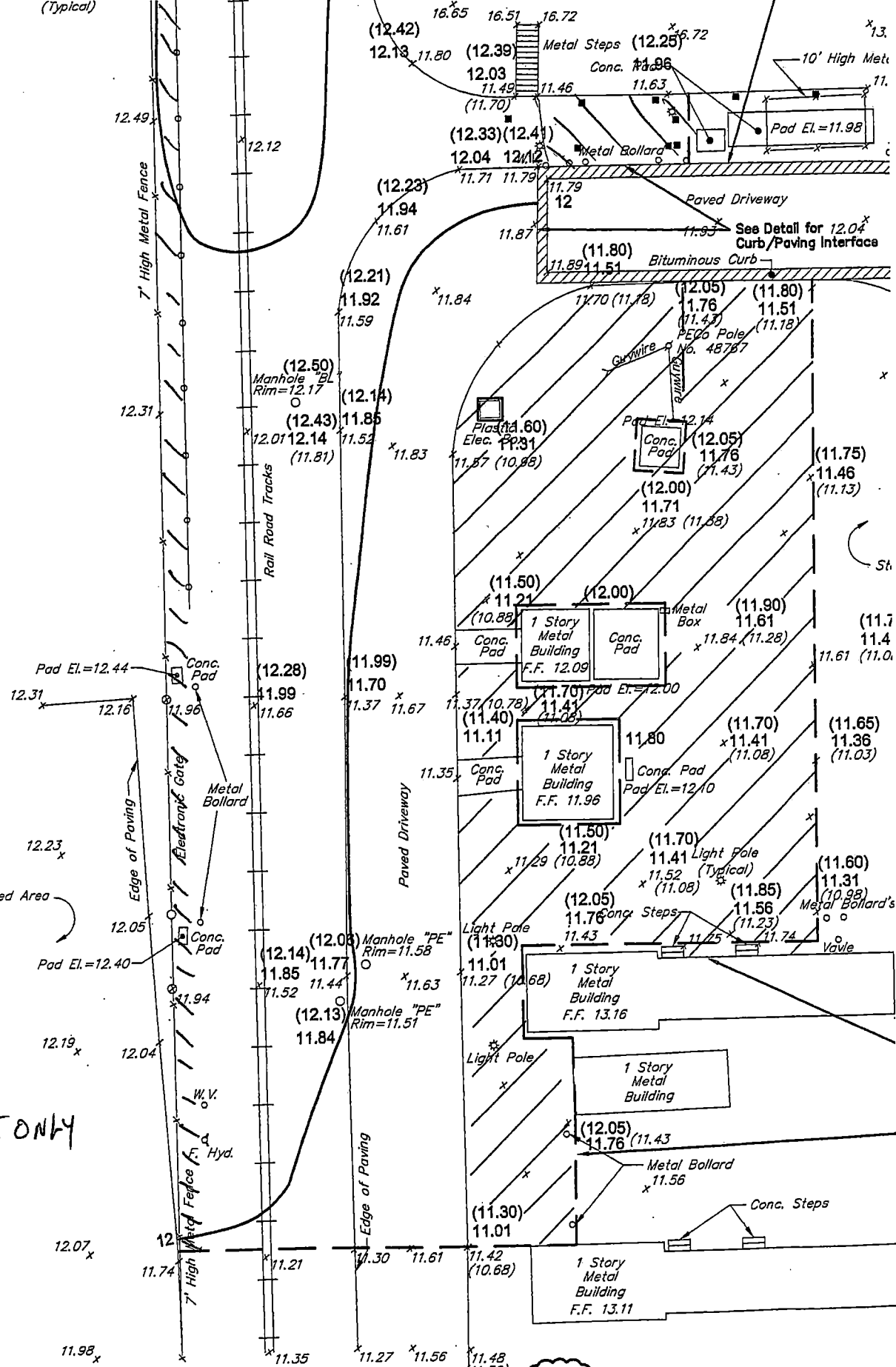
Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	1 - Chet
Pickering, Corts, and Summerson (Surveyor)	2 - Crew workers

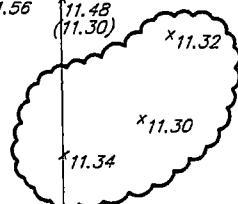
Equipment	No.	Operating Hours	Downtime

J. How.
Signature of Preparer11-06-03
Date

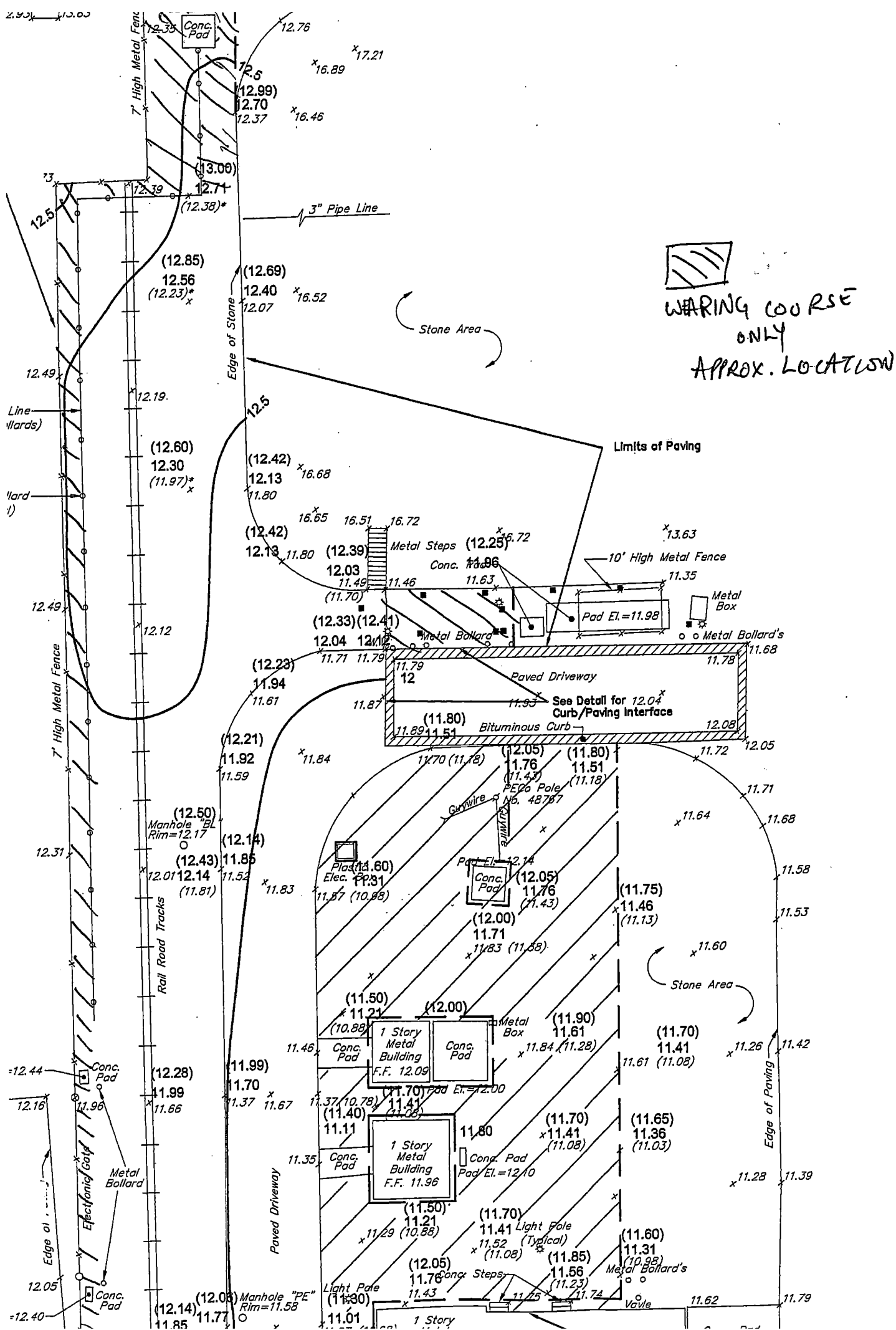
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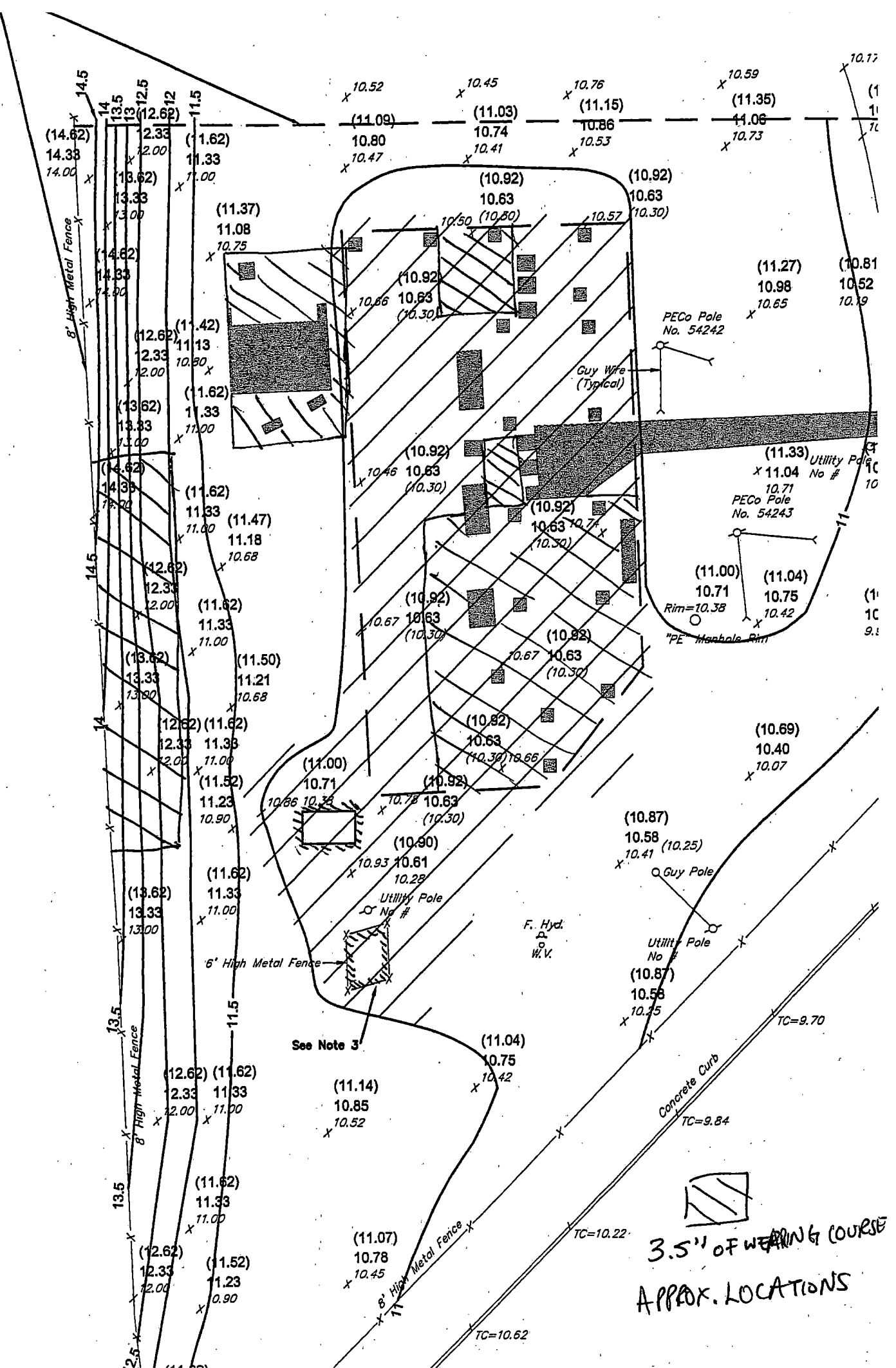


WEARING COURSE ONLY
APPROX. LOCATION



Approximate Elevations/Locations
Provided by Maxymillian on 9-30-03





DAILY FIELD REPORTS

ADDENDUM 1

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-10-2003
Weather: Snow, 30s.
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- No electricity in Maxymillian job trailer. Power believed to be cut when electricity was cut from an adjacent building. Maxy is attempting to have PECO reconnect power.
- Unloading supplies near work area, in paved area upstream of the work area. Unloading haybales, silt fence, posts, and misc. supplies.
- 1 20,000-gallon Frac tank delivered to site and placed in paved area.
- Removing snow in work area using loader.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creanton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-11-03
Weather: Sunny, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Surveyors on-site (Pickering, Corts & Summerson, Inc.) marked out the locations of Manholes T1, T2, and the upgradient end of the collection pipe. Marked out 15' and 30' offsets for the center of each location as well.
- 2 Trench boxes (8' x 12' and 4' x 12') delivered to the site and assembled in the paved area.
- Precast manhole sections for T1 and T2 delivered to the site and placed in the paved area.
- Perforated collection pipe, suction pipe, and fittings delivered to the site. Staged at upstream end of trench.
- Continued removing snow from the work area.
- Began grading area downstream of treatment plant to construct a pad to place the frac tanks.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

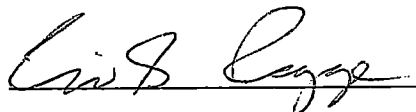
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-12-03
Weather: Windy, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Finished placing stone on graded area downstream of the treatment plant. Used excavator to move frac tanks to stone pad.
- 1 load of pipe bedding stone delivered to site, placed in paved parking area.
- Verify presence and location of inner barrier wall. Excavated in area indicated on drawings, wall found 25' from the outer barrier wall and 17' from center of proposed location of manhole T1, and at a depth of ~6 inches.
- Area being cleared to the west of the north end of the trench to be used for the soil stockpile area.
- Silt fence installed along river side of work area.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

 (signature)

Reviewed by:  (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-13-03
Weather: Sunny, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Manhole sections moved to areas near final placement locations.
- Setting up dewatering piping (2" poly piping). Piping will reach from downstream end of trench to frac tank location next to the treatment plant.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

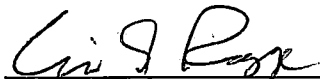
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creighton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

 (signature)

Reviewed by:  (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-17-03
Weather: Snow
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Work cancelled due to snow storm.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>		
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor	
Cliff Brock	Operating Engineer	CAT 330L Excavator		
Art Miekens	Operating Engineer	3 Trench Boxes		
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks		
Creianton Richardson	Skilled Laborer	Diesel Generator		

Subcontractors


<u>Crew</u>		<u>Equipment</u>		

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-18-03
Weather: Snow -> Sunny
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input checked="" type="checkbox"/> Other: Snow removal
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Cleared snow in trench area, plowed access to work area using the front-end loader. Snow was shoveled from around materials and equipment.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-19-03
Weather: Cloudy, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input checked="" type="checkbox"/> Other: Snow removal
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Continued clearing snow from work area.
- Cleared snow out to Jeffrey Street to let delivery trucks pass.
- 4 loads of type 1 stone delivered to the site, stockpiled in paved parking area.
- A storage trailer (Kelly Box) was delivered to the site and placed across the access road from the treatment plant.
- Precutting pieces of geotextile for placing into the trench above and below the graded filter. Cutting to 7' x 15', placing on wooden pallets, and covered with poly for protection.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

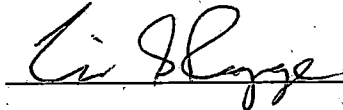
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:  (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-20-03
Weather: Cloudy, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Finished setting up dewatering pipe from the trench area to the frac tanks.
- Dewatering pipe through a ductile iron pipe where it crosses the access road. Pipe bedding stone and type 1 stone was used to cover the iron pipe pipe and create a ramp. Uncovered pipe marked out with orange stakes, string, and orange tape.
- Pipe bedding stone used to stabilize the access road in front of the treatment plant. Road being torn up by constant equipment traffic.
- Building cleanouts for manholes T1 and T2.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

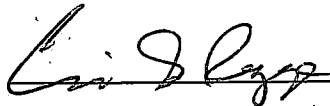
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:  (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-24-03
Weather: Sunny, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Setting up soil stockpile area in graded area to west of north end of trench. Stockpile area consists of poly surrounded by haybales. Haybales covered with poly and staked to the ground with wood stakes.
- 2 loads of type 2 stone and 2 loads of pipe bedding stone delivered to the site and stockpiled in the paved parking area.
- Installed discharge pump in 1 frac tank, discharges to 2 skid-mounted bag filters located next the frac tanks.
- Poly sheets placed next to excavation as the soil laydown area prior to moving soil to soil stockpile area. Poly placed anywhere the excavator bucket will swing to prevent contaminating surface soil.
- Began excavating for manhole T1. Soil black, filled with debris (brick, wood, trash, etc.). Water in soil does not drain out.
- No readings on OVM or PID near and around the excavation.
- Dug to a depth of 10' and placed the 10' high trench box in the excavation.
- Soil constantly moved from laydown area to the soil stockpile area using the front-end loader.
- Soil stockpile area covered with a large blue tarp at the end of the day. Material still in laydown area also covered with poly. Excavation marked out with blue safety fence.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

Crew: Maxymillian Technologies		Equipment	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creanton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors


Crew		Equipment	

Attachments [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

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DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-25-03
Weather: Sunny, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- 2 loads of type 1 stone delivered to the site.
- 10' high trenchbox and 4' high trenchbox joined (stacked) in the excavation.
- Expanded soil stockpile area.
- Bottom of excavation did not appear to be stable enough for a manhole base. The bottom was over-excavated and filled with type 1 stone.

Visitors: Representatives from Preferred Real Estate Investments (PREI)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Mickens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

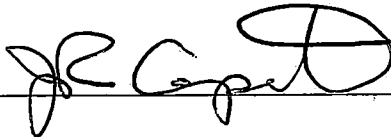
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-26-03
Weather: Cloudy, 30s. Snow in afternoon.
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- The subbase for the manhole was still soft and mushy on the river side of the excavation. After talking to Jeff Caputi and Mike Watkins it was decided that manhole will be placed closer to the bulkhead on a firmer section of subbase. After placing, the measured difference between the center of the proposed location and actual location of the mahole was 20-inches.
- The 4-foot and 2-foot manhole sections were added to the base section using seals between.
- A short section (approximately 3-foot) section of PVC pipe was installed into the base of manhole T1 and plugged to prevent water from entering the manhole.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

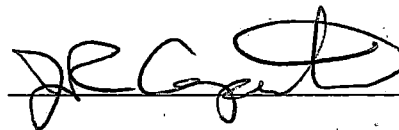
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 2-27-03
Weather: Cloudy, 30s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Small amount of water froze in dewatering pipe overnight. Found blocked area, unclogged using compressed air.
- Began filling manhole T1 excavation with Type 1 stone. Compacted at least every foot using walk-behind vibratory plate compactor. Filled up to invert of the manhole pipe outlet.
- Pre-assembled pipe cleanout attached to manhole. Cleanout pipe attached to side of manhole with 1 stainless steel pipe hanger.
- Burlap bags filled with Type 1 stone. Bags placed around upstream end of drainage pipe coming out of cleanout assembly. Bags will hold back any Type 1 stone placed behind them around the manhole.
- Continued filling excavation around manhole T1 for another 2-feet.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

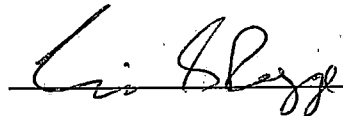
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creighton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

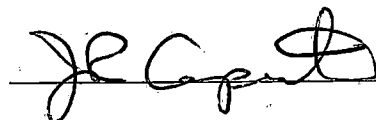
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-3-03
Weather: Windy, 20s
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Heavy rains over the weekend flooded the excavation and the water froze. The rest of the work area was flooded and frozen as well. Pump lowered through ice and pumped for a majority of the day.
- Approximately 20,000 gallons of water was pumped to both of the frac tanks at the end of the day.
- Berms were built using Type 1 stone around all up gradient sides of the excavation. Stone was used so with traffic the pores would be become clogged and the berms would be less permeable.
- Measured actual dimension of the manhole T1 excavation for the purpose of determining the additional quantity of Type 1 stone they would be required.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

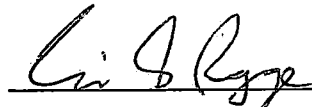
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-4-03
Weather: Sunny, 30s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Advanced trench and trenchbox 10-feet. Soil appears to be mostly building debris, concrete, wood, wire, and brick.
- Type 1 stone was evenly placed around manhole T1 up to the groundwater elevation shown on the drawings.
- Before entering the trench the air was checked using a OVM and a PID. No readings for VOCs, carbon monoxide, or hydrogen sulfide. Oxygen was acceptable.
- Trench excavated too deep (approximately 1-foot), type 1 stone was added to bring up to grade. Geotextile was spread followed by a 10-foot section of perforated pipe and pipe bedding material. No type 2 stone was placed around the pipe bedding material, will leave as is and correct procedure on next pipe length.
- The laydown area, temporary poly staging area next to the trench, was removed and moved to the soil stockpile area. This will be done at the end of everyday if time permits.
- An inflatable plug was inserted into the manhole end of the perforated pipe to prevent water and sediment from entering the manhole.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

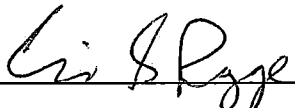
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creianton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors


<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-5-03
Weather: Rain, Fog, 30s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Attila Rigo from Mesa on-site to supervise Maxymillian discharging to the treatment plant for the first time.
- Began discharging water from frac tanks to the treatment plant with all valves full open. Rate appears to be ok. Treatment plant discharge pump cycling on for 1 second every 2 seconds, Attila stated that it did this before, there is no need for concern.
- Tubing from frac tank pump to bag filters began leaking. Several other pieces of tubing were tried, but all had leaks. No major leakage was encountered the entire time. Maxymillian purchased new tubing.
- Manhole T1 cover was placed, but not sealed, to prevent rain from entering the manhole. Manhole lids added to cover. An extension pipe was added to the cleanout to make the pipe higher and more visible.

Visitors:

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

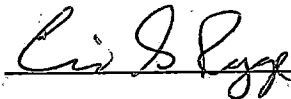
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creighton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

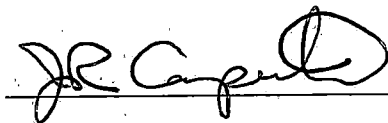
<u>Crew</u>		<u>Equipment</u>	

Attachments [sketches, test data, other]

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-6-03
Weather: Rain, 30s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Heavy rain turning to sleet around lunch time. Rain and runoff entering the excavation. The submersible electric dewatering pump can not get ahead of the inflowing water. Unable to dig in the rain.
- Built berms around the upgradient sides of the excavation using type 1 stone. Type 1 stone was tightest material they had available at the time.
- Both frac tanks were pumped to the treatment plant.
- 2 load of structural fill and 1 load of select fill (low permeability) were delivered to the site.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

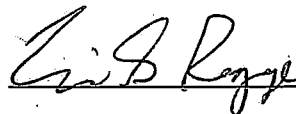
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Cliff Brock	Operating Engineer	CAT 330L Excavator	
Art Miekens	Operating Engineer	3 Trench Boxes	
Yvonne Stillis	Skilled Laborer	2 20,000 gal. Frac Tanks	
Creanton Richardson	Skilled Laborer	Diesel Generator	

Subcontractors

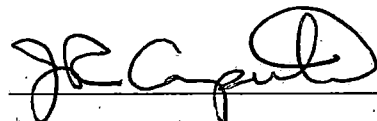
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-10-03
Weather: Sunny, 30's; Afternoon windy
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Dewatering the excavation in the morning and simultaneously pumped water from the frac tanks to the treatment plant.
- Harold Bohl from Maxymillian on-site, will take over for Chet temporarily.
- Trenched approximately 15-feet, trenchbox moved approximately 10-feet.
- Installed 1 10-foot section of perforated pipe. The holes in the pipe were not orientated correctly, will leave this section and correct on next section. The pipe was not centered in the trench, was off center by about a foot. Adjusted the stone backfill accordingly. Will straighten trench and pipe on next section.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

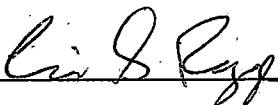
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors


<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-11-03
Weather: Cloudy, 30s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Finished filling type 1 stone up to El. 2.65' around manhole T1.
- Advanced trenchbox 10-feet. Steel plates from front of trenchbox were placed horizontally along the sides of the trench behind the trenchbox to prevent soil from falling on top of the graded filter. Will be advanced this way for the remainder of the project.
- Plywood placed across the trench behind the trenchbox, filled type 1 stone up to required elevation. Plywood used to hold stone back.
- Began placing select fill (low permeability) around manhole T1, being placed in 1-foot lifts, and being compacted using a vibratory plate compactor with a minimum of 3 passes.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

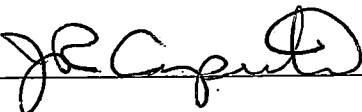
<u>Crew</u>		<u>Equipment</u>	

Attachments [sketches, test data, other]

Prepared by: **Brown and Caldwell CQA Representative**

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-12-03
Weather: Fog, 30s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Two additional steel plates delivered to the site. Approximate dimensions are 12' x 6'.
- Continuing digging the trench for another 10 feet. Smelled VOC odor, similar to gasoline or diesel. Brought OVM into trench, over 5 minutes the readings averaged to about 5 ppm. Anyone entering the trench must use a respirator. Readings in front of the excavator averaged about 1 ppm over 5 minutes. Not necessary for operator's to wear a respirator, but if the smell is bothering them they can wear one.
- Placed a 10 foot section of perforated pipe. The pipe was running slightly off-track, the pipe was bent towards the river and a stake was put in to hold the pipe in the correct location. Proceeded to backfill the graded filter.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Mieken	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creighton Richardson	Skilled Laborer		

Subcontractors

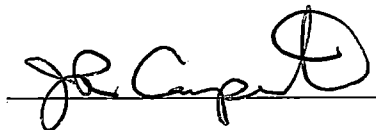
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-13-03
Weather: Cloudy, low 40s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Continued trenching for 10 feet and the trenchbox was moved 10 feet. Steel plates being used to the extend the length of reinforced trench before and after the trenchbox.
- Placed select fill (low permeability) and structural fill around manhole T1. Fill was placed and compacted in 1 foot lifts.
- Soil in the soil stockpile area was consolidated using the excavator.
- OVM readings in the trench just under 5 ppm in the morning, decreasing to 1 ppm by lunch time. Will be using respirators because of the smell.
- Began trenching in the afternoon, hit a pocket of product. The product began constantly dripping into the trench and moving across the standing water. There were concerns that if it rains over the weekend the product will rise up above the inflowing rainwater and spread on the ground around the excavation. Rich Worthington will be on-site Friday (3-14-03) and check if the water level in the trench is getting too high.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

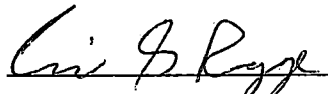
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Mieken	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creighton Richardson	Skilled Laborer		

Subcontractors

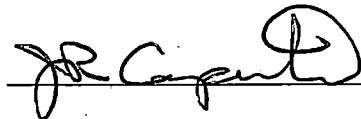
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-17-03
Weather: Partly Cloudy, high 40s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- A larger trenchbox was delivered to the site, dimensions are 6' wide, 20' long, and 12' high. Will replace existing trenchbox and make constructing the trench easier.
- Placed absorbent sheets onto product floated on water in the trench. Placed electric submersible pump inlet below the pads. Installed a gas trash pump in line to help the electric pump. Both pumps clogged and stopped pumping within 5 minutes. Used the compressor to blow the product out of the dewatering line.
- During a weekly meeting it was discovered that none of the union workers have had physicals or fit tests as required by the Health and Safety plan. Yvonne, Cliff, and Art have appointments for physicals Tuesday morning (3-18-03). Richie has his 8-hour refresher Tuesday, so will have his physical Wednesday (3-19-03).
- Union representatives visited the site. They expressed some concern over the lack of medical monitoring and fit tests. They also wanted more health and safety items present in the work area (i.e., wash up area).
- No work will be done that requires respirators for the remainder of the day. OVM readings in the trench averaged about 2 ppm over 5 minutes.
- The soil stockpile area was enlarged to the northeast side.
- Continued trenching, placed 20' long trenchbox into the excavation ahead of the 10' long trenchbox.
-

Visitors: Union Representatives (2)

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

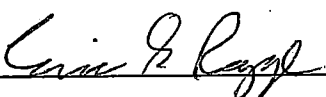
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Mieken	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creanton Richardson	Skilled Laborer		

Subcontractors

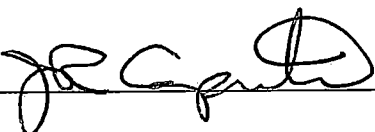
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-18-03
Weather: Sunny, 40s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Trench needed to be dewatered in the morning. Layer of product floating on water. Area of water approximately 13' x 6'. Product continues to flow into the trench from the previous day.
- Art, Cliff, and Yvonne getting medical physicals in the morning. Richie at his 8-hour refresher course.
- Maxymillian obtained 200-feet of 1-inch diameter black poly pipe. We will be connecting it to the suction line at EW-11. A brass ball valve and a 3-foot section of poly pipe were installed at the end of the 200-foot run.
- If ball valve is opened and the line is allowed to suck only air, after 30 seconds the treatment plant shuts down with the "high level O/W separator" alarm.
- Used 1-inch poly pipe to suck product off the surface of the water in the trench. The line is not able to suck any significant amount of product, it is not feasible to suck any quantity from the surface of the water using this method.
- Placed submersible electric pump back in trench. Pump was able to completely remove the water and product from the trench.
- Placed a 20-foot section of perforated pipe in the trench that was dug the previous day. The trench was backfilled with the proper stone.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

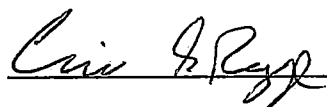
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creanton Richardson	Skilled Laborer		

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-19-03
Weather: Overcast, 40s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Richie at his medical physical in the morning.
- Continued trenching for 10-feet. Advanced the 20-foot long trench box to the end of the trench and bridged the gap between the two trench boxes with a steel plate on either side.
- Attila Rigo from Mesa on-site to "optimize" the treatment system to provide greater suction through the 1-inch pipe attached to EW-11. Attila shut down 2 other wells in the four well group. Did not improve the suction capabilities of the 1-inch line. The line would suck for 20 seconds, stop, gurgle, backwash, start sucking again, and repeat.
- The water and product was drained from the trench using the electric submersible pump.
- Installed 10-foot section of perforated pipe and the trench was backfilled with the proper stone.
- The two extraction wells turned off earlier in the day were turned back on.
- Air readings on the OVM peaked around 3 ppm and averaged around 0 ppm in and around the trench. The OVM was setup to report an average reading every minute.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

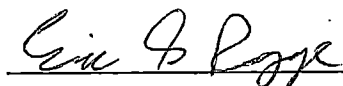
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

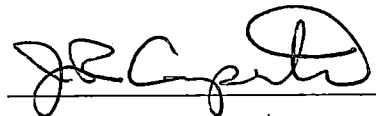
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-20-03
Weather: Rain, 30s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Placed and compacted select fill (low permeability) inside the 16-foot long trenchbox. Removed the trenchbox from the ground and placed nearby.
- Placed and compacted structural fill around manhole T1 and on the completed section of trench. Area was overfilled to prevent water from ponding on surface and infiltrating into the trench.
- Built berm using structural fill around the trench and manhole areas. Placed 4 layers of oil absorbent padding in the bottom of the excavation.
- Placed select fill (low permeability) in front of the trenchbox against the face of the excavation that was dripping product.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

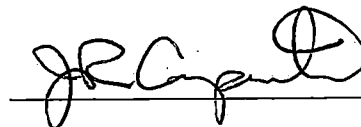
<u>Crew</u>		<u>Equipment</u>	

Attachments [sketches, test data, other]

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-24-03
Weather: Cloudy, 40s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Drained water and product from the trench using the electric submersible pump and a trash pump in series. Treatment plant was off-line when we arrived. Restarted plant and began pumping from frac tanks to treatment plant.
- Mike Watkins and Attila Rigo on-site to test the suction capability of the treatment plant using the 1-inch pipe attached to EW-11. Sucked water from a 5 gallon bucket at ground level. 1-inch line would suck 4 gallons quickly, stop, gurgle, and continue at a very slow rate, approximately 1 gallon per 10 minutes.
- Observed water pumping from frac tanks to treatment plant, water was frothing brown on the surface of the water in the oil/water separator. The thickness appeared to be about 4-inches. The rope skimmer was turned on to eliminate the froth.
- Weekly conference call between B&C and Maxymillian.
- OVM readings consistently around 5 ppm in the front half (fresh) of the trench. No readings outside around the trench.
- Excavated 10-feet of trench and advanced the trenchbox 10-feet.
- Removed collapsed soil on river side of trench.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

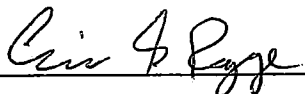
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-25-03
Weather: Sunny, 60s => windy
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Chet is getting his medical physical in the morning.
- Trenched 20-feet for the day and installed 20-feet of perforated pipe. Backfilled trench with appropriate stone.
- Mike Watkins and Rich Worthington are on-site.
- Maxymillian using front-end loader to scrape the mud out of the work area. Mud being stockpiled on the river side of the access road, around the midpoint of the collection trench.
- A load of haybales was delivered to the site.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

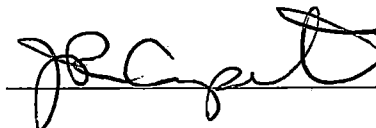
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-26-03
Weather: Sunny, 50s => Rain, Wind
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Harold is getting medical physical in the morning.
- Dug additional 10-feet of trench. Installed 10-foot section of perforated pipe and appropriate stone.
- Strong wind started in mid-afternoon, Maxy tried to cover the new soil stockpile, but was unable to hold down the tarp. Will leave soil uncovered for the night.
- Maxy using the front-end loader to scrape mud from the road and the work area. Mud deposited in same area as yesterday.
- Used brick from pile near work area to firm up the ground in front of the first soil stockpile.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Mieken	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creighton Richardson	Skilled Laborer		

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

 (signature)

Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-27-03
Weather: Sunny, 50s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Began pumping water from frac tanks to treatment plant in the morning.
- Dug remainder of collection trench, approximately 6-feet. Advanced trenchbox to end of trench. Firmed subgrade of trench using pipe bedding material. A 6-foot section of perforated pipe was installed and a cap was glued to the end.
- Stopped pumping water from frac tanks to treatment plant when the level of product in the frac tank fell to the top of the pump.
- Drained water (and product) out of lines between bag filters and frac tanks. Product was drained into metal buckets and the buckets were poured into the oil/water separator. Used filters, absorbant pads, and tyveks were put in the yellow bin next to the treatment plant.
- Spread and compacted select fill (low permeability) and structural fill on completed sections of the trench.
- Placed a structural fill berm around the open excavation to prevent rain from entering.

Visitors:

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

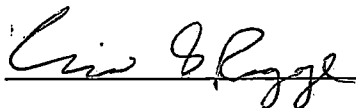
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

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DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 3-31-03
Weather: Sunny, 30s => Windy
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Maxy began pumping water from the excavation to the frac tanks at 6 am. Pumping puddles in front of soil stockpile areas and area near extraction wells to edge of work area near the silt fence. Maxy did not want drive over flooded soil.
- Began pumping water from frac tanks to treatment. Bag filters clogged within 2 minutes from product. Product in bag filters was poured into the oil/water separator in the treatment plant. Product drained from filters was poured into the oil/water separator as well. Continued pumping in the afternoon and had no problems
- Mesa Environmental on-site. Added to fittings to top of air/water separator and ran an extra suction line out the side of the treatment plant.
- Maxy began digging for installation of manhole T2. Dug to a depth of 8-feet and placed the 8-foot high x 16-foot long trenchbox in the excavation.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

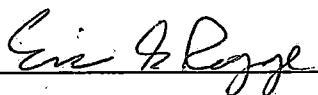
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

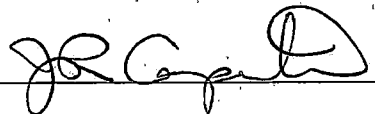
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

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DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 4-1-03
Weather: Cloudy, 40s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input checked="" type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Maxy continued excavating to an elevation of -7.0' for the installation of manhole T2.
- Attached 4-foot high by 16-foot long trench box on top of the 8-foot high trench box already in the trench.
- Base for manhole was soft, but not overly soft. The geotextile was laid on the subgrade and the stone base was spread. The manhole base and the first intermediate section were placed and leveled in the excavation.
- An 18-inch diameter perforated pipe was placed several feet ahead of the manhole in the trench on the river side. A pump will be placed in the pipe and the trench will be filled around it.
- Maxy sampled the soil stockpile as required by the disposal facility (Clean Earth in Philadelphia). 1 composite sample and 4 grab samples were taken.
- Type 1 stone was placed around the base of the manhole up to 6-inches below the pipe invert.
- Finished installing the grade filter in the trench before manhole T2. Placed and compacted the select fill (low permeability) soil in the trench above the geotextile.
- Raised and removed the 4-foot high by 20-foot long trenchbox from the excavation.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

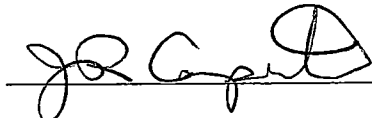
<u>Crew</u>		<u>Equipment</u>	

Attachments [sketches, test data, other]

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

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DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 4-2-03
Weather: Overcast
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Trenched additional 20-feet, then removed 4-foot high by 20-foot long trenchbox from the ground and placed into new section of the trench.
- Pumped water from frac tanks to treatment plant.
- Using small submersible electric pump to pump puddles in front of the soil stockpiles. Water being pumped to grassed area next to the frac tanks.
- Expanded the older soil stockpile towards the access road.
- The drainage pipe cleanout was preassembled and attached to manhole T2.
- Installed 20-foot section of perforated pipe and began backfilling with the grader filter.

Visitors:

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Mieken	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creanton Richardson	Skilled Laborer		

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

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DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 4-3-03
Weather: Overcast => Fog
Observer: Eric Rogge

Activities:

<input checked="" type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input checked="" type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Continued placing graded filter stone around the perforated pipe placed on 4-2.
- Lifted trenchbox around manhole T2, removed top 4-foot high section.
- Placed remaining sections onto manhole T2. For easier access into the manhole later, the lid was not sealed. The edge of the manhole lid is damaged. The seal will be placed on the inner ridge and the damaged areas will be fixed with grout.
- Filled type 1 stone up to grade around manhole T2, placed geotextile.
- Pumped water from frac tanks to treatment plant in afternoon. After pumping, product was drained from the bag filter housing and the filters were replaced.

Visitors: _____

DAILY FIELD REPORT

ADDENDUM 1

CHESTER WATERFRONT REDEVELOPMENT PROJECT

CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creanton Richardson	Skilled Laborer		

Subcontractors

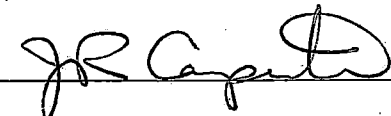
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

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DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 4-7-03
Weather: Cloudy, 30s => Snow, Rain
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Pumping water from frac tanks to the treatment plant.
- Advanced trench and trenchbox 10 feet.
- Subgrade in new section of trench is soft, 6-inches of pipe bedding stone were placed, followed by the geotextile. A 10-foot section of perforated pipe was installed for the day.
- Weekly conference call held today.
- Removed trenchbox around manhole T2. Backfilling and compacting select fill and structural fill around manhole.
- Extended sump next to manhole T2.

Visitors:

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: Brown and Caldwell CQA Representative

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Reviewed by:

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DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 4-8-03
Weather: Cloudy, 30s => Rain
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input checked="" type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Large puddle formed next to excavation with sheen on surface. Pumping puddle to the sump next to manhole T2.
- Advanced trench and trenchbox 10 feet. Bottom of excavation was soft, spread 6-inch layer of pipe bedding stone on subgrade.
- Pumped water from frac tanks to treatment plant in the morning. Tank was pumped to a depth of 1-foot.
- Installed 10-foot section of perforated pipe and required stone backfill.
- Checking location of manhole T2 by measuring off of survey stakes. Manhole is aligned properly along the length of the trench, but is 3" inland.
- Extraction wells were marked out with stakes and rope for protection.
- Placed and compacted select fill and structural fill in completed trench.

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors

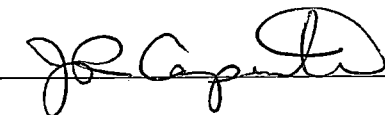
<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

 (signature)

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Date: 4-9-03
Weather: Rain, 30s
Observer: Eric Rogge

Activities:

<input type="checkbox"/> Site Preparation	<input type="checkbox"/> Suction Pipe Installation
<input type="checkbox"/> Manhole Installation	<input type="checkbox"/> Water Discharge to Treatment Plant
<input checked="" type="checkbox"/> Trench Construction	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Characterization	<input type="checkbox"/> Other _____
<input type="checkbox"/> Soil Disposal	

Description of Activities & Observations:

- Marked out approximate location of suction and air suction lines for extraction well 11 (EW-11).
- Advanced trench and trenchbox 10 feet. Installed 10-feet of perforated pipe with proper graded filter stone backfill.
- Found monitoring well that had been knocked over next to the boat slip. Appeared that when the sign in the area was dropped off the well was driven over.
- Rain creating large puddles next to the trench. A berm constructed of stripped topsoil and structural fill was built around the upgradient side of the trench. Pumped larger puddles past the trench to the area next to the silt fence (on the work side of the silt fence).

Visitors: _____

DAILY FIELD REPORT
ADDENDUM 1
CHESTER WATERFRONT REDEVELOPMENT PROJECT
CHESTER, PENNSYLVANIA

Contractor's Resources

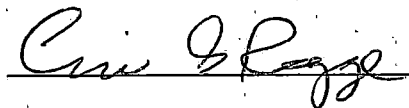
<u>Crew: Maxymillian Technologies</u>		<u>Equipment</u>	
Chester Trzcinski	Foreman	CAT 966G Loader	Diesel Air Compressor
Harold Bohl	Foreman	CAT 330L Excavator	
Cliff Brock	Operating Engineer	3 Trench Boxes	
Art Miekens	Operating Engineer	2 20,000 gal. Frac Tanks	
Yvonne Stillis	Skilled Laborer	Diesel Generator	
Creianton Richardson	Skilled Laborer		

Subcontractors


<u>Crew</u>		<u>Equipment</u>	

<u>Attachments</u> [sketches, test data, other]	

Prepared by: **Brown and Caldwell CQA Representative**

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Reviewed by:

 (signature)